RAPHAEL ARKADY MEYER

RISING PHD STUDENT, COMPUTER SCIENCE

RESEARCH	
INTERESTS	
	Statistical Learning Theory
	Foundations of Data Science
	Probability Theory
	Numerical Linear Algebra
EDUCATION	
NYU TANDON, BROOKLYN NY	Pursuing PhD, Computer Science
	Research Fellow, Starting Fall 2019
PURDUE	Pursuing Bachelors, Computer Science Honors
UNIVERSITY, WEST LAFAYETTE, IN MAY - 2019	Senior Research Assistant, 3.72/4.00 GPA
	Concentrations in Foundations of CS, Computational Science, and Machine Intelligence
	Minors in Math and Electrical Engineering
WORK	
EXPERIENCE	
RESEARCH PUBLICATIONS	
FALL 2018	Statistics & Kernel Sums, To Appear at ICML 2019
	Novel Combination of Optimization Theory and Statistical Learning Theory
	Justifies Common Assumptions made in Multiple Kernel Learning
	Work with Prof. Jean Honorio at Purdue University
	Meyer, Raphael Arkady, and Jean Honorio. "On the Statistical Efficiency of Optimal Kernel Sum Classifiers." <i>arXiv preprint arXiv:1901.09087</i> (2019). Accepted to ICML 2019.
FALL 2016	Secure OR Evaluation, ISIT 2017 Publication
	Designing Tight Lower-bound Techniques for Secure Computation
	Multi-Party Computation, Randomized Protocols, Tight Lower Bounds
	Jhanji, Amisha, Hemanta K. Maji, and Raphael Arkady Meyer . "Characterizing optimal security and round- complexity for secure OR evaluation." <i>Information Theory (ISIT), 2017 IEEE International Symposium on</i> . IEEE, 2017.

TEACHING

FALL 2018 Teaching Assistant, CS 381: Algorithmic Analysis

INTERNSHIPS

SUMMER 2017V3 DCS Scheduler, Bloomberg L.P., Software Engineering InternRecognized, Tested, and Proved Inefficiencies with Existing Distributed SchedulerIntegrated New Service to Observe System Load and be able to Learn Smart SolutionsCleared Technical Debt by Resolving bugs, Collecting Metrics, Automating Workflows

SUMMER 2016

516 FINRA Trace API, Bloomberg L.P., Software Engineering Intern

Integrated various Database, PubSub, and API platforms to provide a new format of data Iteratively designed to guarantee the API we produce matches Client Expectations Learned to code Effective, Maintainable, and Production-Worthy code

GRADUATE COURSEWORK

Learning Theory

Hands-on Learning Theory (CS 590 HLT, 1 of 2 students admitted)

Computational Methods in Optimization (CS 520)

Convex and Discrete Optimization (CS 690 SML)

Statistical Machine Learning (CS 578)

Applied Machine Learning

Deep Learning & Symbolic Reasoning (CS 590 DLS)

Deep Learning (CS 690 DL, 1 of 20 students admitted)

Applied Regression Analysis (STAT 512)

Statistical Methods (STAT 511)

Data Mining (CS 573)

Numerical Linear Algebra

Random Algorithms for Numerical Linear Algebra (CS 590 RND)

Linear Algebra Applications (MA 511)

Numerical Linear Algebra (CS 515)

Theory of CS

Mathematical Tookit For CS (CS 590 MTK)

Theory of Computation (CS 584)

Algorithm Analysis (CS 580)

AWARDS & HONORS

Student Travel Grant, International Conference on Machine Learning (ICML), (June 2019) Finalist, 2018 CRA Outstanding Undergraduate Researcher Awards, CRA (2018) Student Travel Grant, IEEE International Symposium on Information Theory (July 2017) External Conference Reviewer, IEEE International Symposium on Information Theory (July 2017) Outstanding Sophomore of the Year, Purdue Computer Science (2016-17) Silver Medal, Giant Slalom, Ecole de Ski Français, Meribelle, France (2016) Qualcomm Rookie Team of the Year and Top Ten Hacks, Boilermake Hackathon (2015) Certificate of Cuisine, Cordon Bleu, School of Gourmet Cuisine, Paris, France (2015) Bronze Medal, Duke of Edinburgh Program (2012)